**Unit 1 Map - Introduction to Biology**

Biology 1

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| **Topic** | **Specific Learning Target** | **Checkpoint Score %** | **Test Score %** |
| 1. Characteristics of Life | A. I can identify and provide examples of the characteristics found in all living organisms. |  |  |
| 2. Lab Safety | B. I can distinguish between safe and unsafe lab procedures and use safe lab procedures during experiments. |  |  |
| C. I can locate and use safety equipment in the classroom. |
| 3. Scientific Method | D. I can collect both qualitative and quantitative observations. |  |  |
| E. I can distinguish between observations and inferences. |
| F. I can create testable hypotheses predicting cause and effect relationships (i.e. in an “If, then” format) using observations and information from other scientists. |
| G. I can identify the independent variable and the levels of the independent variable that will be used in an experiment. |
| H. I can identify the dependent variable and the method you will use to measure the dependent variable in an experiment. |
| I. I can identify variables that must be held constant in an experiment. |
| J. I can distinguish between the control group and experimental group in an experiment and explain the purpose of a control group. |
| 4. Data Analysis | K. I can record quantitative data in clearly labeled tables/charts with units. |
| L. I can choose the appropriate graph (i.e. line graph, bar graph, pie graph) to organize your data and use this graph to show a relationship between the independent and dependent variable. |  |  |
| M. I can identify and discuss trends in the data based on your charts and graphs. (Ex: an increase in the amount of physical activity appears to cause an increased production of sweat). |